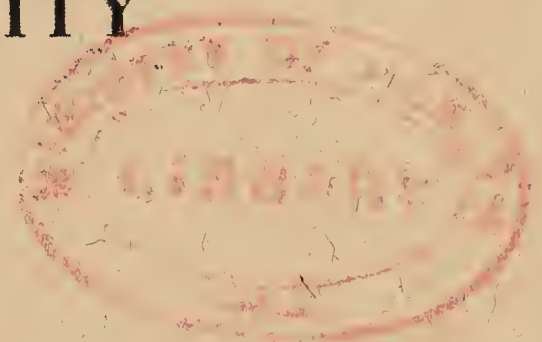


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1945

RIVER TEES PORT
HEALTH AUTHORITY



FIFTY-NINTH
ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH

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RIVER TEES PORT
HEALTH AUTHORITY

FIFTY-NINTH
ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH

MIDDLESBROUGH—

PRINTED BY H. AND F. STOKELD, GRANGE ROAD.

—
1946.

RIVER TEES PORT HEALTH AUTHORITY.

LIST OF MEMBERS.

Middlesbrough Corporation

Representatives (8) :

Councillor J. Taylor.
Alderman L. G. Allen.
Alderman T. Curran.
Councillor J. S. Bolton.
Councillor J. G. Boothby.
Councillor F. J. Longstaff.
Councillor H. Madden.
Councillor W. Randall.

Stockton Corporation

Representatives (4) :

Alderman C. W. Allison.
Councillor W. M. Worth.
Councillor J. Sharkey.
Councillor J. C. Hudson.

Thornaby Corporation

Representatives (2) :

Alderman E. E. Brennan.
Councillor Miss G. Holmes.

Redcar Corporation

Representatives (2) :

Councillor J. S. Dixon.
Alderman R. Spelman.

Eston Urban District Council

Representatives (3) :

Councillor E. J. Blanshard.
Councillor J. Evans.
Councillor J. Snowball.

Billingham Urban District Council

Representatives (3) :

Councillor Mrs. J. McLean.
Councillor S. Duncan.
Councillor W. McKenna.

Stockton Rural District Council

Representatives (2) :

A. E. Ward. (Chairman).
J. Burnett.

STAFF OF THE PORT HEALTH AUTHORITY, 1945.

Clerk to the Board—G. W. W. BARNLEY.

Deputy Clerk—T. A. BANKS.

Medical Officer—T. LLOYD HUGHES, M.D., D.P.H., Barrister-at-Law.

Deputy Medical Officer—C. L. ELDER, M.B., Ch.B., D.P.H.

Port Health Inspector—A. NEILSON JONES, C.R.S.I.

Assistant Port Health Inspector—R. J. KNOTT, C.R.S.I. (Resigned Nov., 1945).

Rat Searcher—T. WARWICK.

Launch Hands—One Engineer and one Deck Hand.

RIVER TEES PORT HEALTH AUTHORITY.

MUNICIPAL BUILDINGS,
MIDDLESBROUGH,
MARCH, 1946.

To THE CHAIRMAN AND MEMBERS OF THE
RIVER TEES PORT HEALTH AUTHORITY.

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in submitting the 59th Annual Report on the work of the River Tees Port Health Authority for the year ended 31st December, 1945. The Report is presented in more detail than has been possible during the war years, and full information is given as to the scope of the work of the Authority.

It will be seen that close supervision has been maintained during the year so as to safeguard against any possible introduction of sea-borne infectious diseases, and also to ascertain the sanitary conditions of vessels entering the Port and the purity of imported foodstuffs.

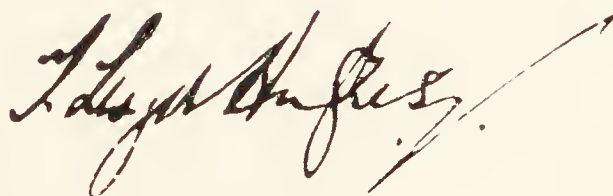
The routine inspections during the year were carried out single-handed by your Chief Port Health Inspector, in view of the continued absence of the Assistant Port Health Inspector on Active Service. This latter Officer resigned in November, and steps have already been taken to fill the vacancy.

Our relations with the Port Authorities continue to be cordial, and I wish to record my grateful thanks to the Chief Preventive Officer of Customs and his staff, the Harbour Master and his staff and the Pilot Master and Pilots for their ready assistance at all times.

My thanks are also due to the Chairman and Members of the Port Health Authority for their interest and support during the year, and to the staff for their conscientious and loyal service.

I have the honour to be,

Your obedient servant,



Medical Officer.

TABLE A.

1. AMOUNT OF SHIPPING ENTERING THE PORT DURING THE YEAR..

		Number	Tonnage	NUMBER INSPECTED		Number reported to be Defective	Number of Vessels on which defects were remedied	Number of Vessels reported as having or having had, during the voyage infectious diseases on board
				By the Medical Officer of Health	By the Sanitary Inspector			
FOREIGN	Steamers...	347	901,163	131	347	66	66	13
	Motor ...	85	111,703	23	85	3	3	1
	Sailing ...	—	—	—	—	—	—	—
	Fishing ...	6	714	—	6	—	—	—
TOTAL FOREIGN ...		438	1,013,580	154	438	69	69	14
COASTWISE	Steamers...	464	259,456	43	455	9	9	2
	Motor ...	434	84,039	5	429	—	—	—
	Sailing ...	—	—	—	—	—	—	—
	Fishing ...	12	1,085	—	10	1	1	—
TOTAL COASTWISE ...		910	344,580	48	894	10	10	2
TOTAL FOREIGN AND COASTWISE ...		1,348	1,358,160	202	1,332	79	79	16

CHARACTER OF TRADE OF PORT.

TABLE B.

(A).—PASSENGER TRAFFIC DURING THE YEAR.

No. of Passengers	Cabin class only	Transmigrants.
INWARDS—		
British	123	Nil
Aliens	66	Nil
OUTWARDS—		
British	251	Nil
Aliens	113	Nil

Does not include Ships' personnel arriving and departing, nor does it include passengers arriving and leaving with the same vessel.

The River Tees is not an accredited Aliens Port, but Aliens are examined from time to time by the Port Medical Officer for the immigration authorities. The passenger traffic is chiefly to and from London and Eastern North Sea Ports.

(B).—CARGO TRAFFIC.

IMPORTS INTO THE RIVER TEES FOR THE YEAR ENDED 31st OCTOBER, 1945.

(Figures supplied by courtesy of the General Manager of the Tees Conservancy Commission).

ORES :					<i>Tons</i>
Iron	...	...	...	...	1,061,618
Manganese	...	...	...	...	119,575
Chrome	...	...	...	...	3,708
IRON AND STEEL :					
Pig Iron	...	...	...	...	—
Billets, etc.	...	...	...	...	42,468
Machinery	...	...	...	...	2,349
Scrap	...	...	...	...	109,291
Manufactured	...	...	...	...	1,344
Loam	...	...	...	...	10,619
Cement	...	...	...	...	1,012
Manures (chemical)	...	...	...	...	26,928
Chemicals and Chemical Products (other than Chemical Manures)	...	...	...	...	—
Petrol, Fuel Oil, etc.	...	...	...	...	29,681
Creosote Oil	...	...	...	...	11,910

						<i>Tons</i>
Corn	...	...	...	...	...	37,657
Provisions	...	...	...	...	...	7,712
Paper	...	...	...	...	...	262
Sugar, etc.	...	...	...	...	...	11,045
Wood	...	...	...	...	...	3,914
Bags (empty)	...	...	...	...	...	375
Phosphate Rock	...	...	...	...	...	49,940
Spelter	...	...	...	...	...	90
Sundry Goods	...	...	...	...	...	66,337
TOTAL IMPORTS						1,597,835 tons
LAST YEAR						1,392,008 tons
<i>Increase</i>						205,827 tons

EXPORTS FROM THE RIVER TEES FOR THE YEAR ENDED 31st OCTOBER, 1945.

(Figures supplied by courtesy of the General Manager of the Tees Conservancy Commission).

IRON AND STEEL :						<i>Tons</i>
Pig Iron	...	...	...	...	...	16,895
Rails and Fishplates	...	...	...	...	...	23,219
Castings	...	...	...	...	...	748
Angles, Bars and Plates	...	...	...	...	...	36,658
Bridgework	...	...	...	...	...	220
Girders and Joists	...	...	...	...	...	9,725
Scrap	...	...	...	...	...	117
Galvanised Sheets	...	...	...	...	...	213
Machinery	...	...	...	...	...	1,739
Wire (of all descriptions)	...	...	...	...	...	404
Manufactured (of all kinds other than the above)	...	...	...	...	...	13,847
Coal and Coke	...	...	...	...	...	32,906
Slag Basic or Phosphate Powder	...	...	...	...	...	5,130
Salt	...	...	...	...	...	5,830
Sulphate of Ammonia	...	...	...	...	...	315,324
Chemicals and Chemical Products (other than Sulphate of Ammonia)	...	...	...	...	...	14,835
Pitch and Tar	...	...	...	...	...	48,190
Paint	...	...	...	...	...	40
Corn	...	...	...	...	...	6,384
Sundry Goods	...	...	...	...	...	234,100
TOTAL EXPORTS						766,524 tons
LAST YEAR						715,044 tons
<i>Increase</i>						51,480 tons

COUNTRIES FROM WHICH VESSELS ARRIVE.

Iron and other ores are imported from Sweden, Norway, Spain, North and West African ports, Brazil, India and Canada.

Corn and cereals are transhipped from Hull.

Timber from Baltic Ports.

Potash from West Africa.

Provisions arrive from London and sugar from King's Lynn and Boston.

A few cargoes of tea and coffee arrived during the year from East Africa and sugar from the West Indies.

SOURCE OF WATER SUPPLY.

(A).—FOR THE PORT.—The water is drawn from the Middlesbrough supply, which is maintained by the Tees Valley Water Board. This water is kept under constant supervision and is abundant and of good quality.

(B)'—FOR SHIPPING. Vessels draw their water supply from hydrants on the wharves, the town supply serving these hydrants. Very exceptionally ships laid up at the buoys in the river or not going to a wharf are supplied from tanks on two of the river tug boats, having a capacity of 60 and 45 tons respectively. These tanks are cleaned out before being used. There is also a small tank on a sand barge which is used occasionally. This tank is kept under observation and cleaned out prior to use.

PORT HEALTH REGULATIONS.

ARRANGEMENTS FOR DEALING WITH DECLARATIONS OF HEALTH.

1. These are collected each morning from the Customs House.

2. The Declarations are handed to the Customs Officer or Inspector of the Port Health Authority whoever is first to board the ship. The number of Declarations of Health received during 1945 was 254. No night service of inspection is maintained, except in the case of vessels signalling their need for special attention or having infectious disease on board. Messages by wireless are received from the Cullercoats receiving station and are generally delivered direct to the Port Medical Officer.

3. The Shipping Agents have agreed to the prompt transmission to the Medical Officer of any messages received by them under the Regulations. Messages are also received by morse signalling from the Tees bay to the Lightkeepers on the break-water and are telephoned to the Medical Officer. The appropriate flag and light signals are being observed. The Customs Officers and Pilots co-operate readily in notifying the Medical Officer of any suspicious illness on board vessels entering the Port.

3A. BOARDING OF VESSELS. All vessels reporting sickness on board are boarded by the Medical Officer and Inspector ; other vessels are boarded as soon as practicable.

4. **MOORING STATIONS.** There is a mooring station outside the docks situated in the river at the Eston No. 4 buoys. This station is for vessels infected or suspected on account of :—Plague, Cholera, Yellow Fever, Typhus or Small pox.

4A. Ships entering the port with a case of infectious disease other than the above are allowed to proceed to their place of mooring, but are quarantined until visited and declared clear.

5. The provisions of Article 16 of the principal Regulations have been carried out without difficulty during the year.

6. Arrangements for waiting rooms for Medical Examination, Cleansing and Disinfection of Ships, Persons and Clothing :

- (a) There is no accommodation for waiting rooms. Disinfection of ships for the prevention of infectious disease is carried out by the Port Health Staff.
- (b) Bedding and clothing are either burnt or removed to the isolation hospital for disinfection.
- (c) Members of the crew are also removed to this hospital and are accommodated in a building reserved for this purpose whilst they are bathed and their clothes disinfected.
- (d) Accommodation is reserved at West Lane Isolation Hospital for any infectious disease case admitted from the Port.
- (e) Ambulances are available for the removal of such cases.
- (f) All contacts are kept under daily supervision and the Medical Officer of the next port of call is intimated. The names and addresses given by persons allowed to leave under Article 16 are forwarded to the Medical Officer of Health of such districts.

7 & 8. **ARRANGEMENTS FOR BACTERIOLOGICAL EXAMINATION OF RATS FOR PLAGUE.** Specimens of rats caught on ships and wharves are sent monthly to the Clinical Research Association (London), who report on post-mortem and cultural examinations. All rats destroyed are examined by the Rat Searcher for evidence of disease. Pathological specimens are examined locally or sent to the above association. Commencing in February, 1946, arrangements have been made for specimens of rats to be sent to the Emergency Public Health Laboratory at Northallerton.

9. **ARRANGEMENTS FOR THE DIAGNOSIS AND TREATMENT OF VENERAL DISEASE.** The Municipal Venereal Disease Clinic is at the General Hospital and all seamen found to be suffering from these diseases are directed to attend for treatment.

Notices printed in various languages giving full particulars of the services of the Clinic are left on board the vessels.

Special notices have been sent to all Consuls, Vice-Consuls, Shipping Agents and the Missions to Seamen drawing their attention to the facilities available to seamen for the treatment of these diseases. The attendance at the Clinic has shown a considerable increase over the years immediately preceding the war. The following gives the nationality of those treated during the past year :—

Number of Seamen treated at the Special Treatment Centre during 1945.

British Isles (excluding Eire)	...	...	152
Canada	...	...	4
Australia	...	...	3
South Africa	...	...	2
British India	...	...	18
Newfoundland	...	...	2
Gilbraltar	...	...	3
Cyprus	...	...	1
Rhodesia	...	...	1
Aden	...	...	1
Ceylon	...	...	1
West Indies	...	...	5
Bahamas	...	...	1
West Africa	...	...	1
Egypt	...	...	2
Eire	...	...	1
Arabia	...	...	1
U.S.A.	...	...	3
Brazil	...	...	3
Greece	...	...	6
Norway	...	...	20
Denmark	...	...	8
Sweden	...	...	18
France	...	...	3
Poland	...	...	12
Estonia	...	...	2
Yugo-Slavia	...	...	4
Russia	...	...	1
Spain	...	...	10
Finland	...	...	1
Belgium	...	...	1
Tangiers	...	...	1
Turkey	...	...	1
Armenia	...	...	1
TOTAL ...			<u>294</u>

10. ARRANGEMENTS FOR THE INTERMENT OF THE DEAD. There is a mortuary on the riverside. Arrangements for burial are carried out by the Ship's Agents.

PARROTS (PROHIBITION OF IMPORT) REGULATIONS.

There were nine instances of parrots found on board vessels and in every case written undertakings were given that the birds would either be destroyed or not landed.

TABLE C.

CASES OF INFECTIOUS SICKNESS LANDED FROM VESSELS.

Disease	Number of cases during 1945		No. of Vessels concerned	Average for previous five years
	Passengers	Crew		
Chicken-pox	—	4	2	.6
Measles	1	—	1	.2
Influenza	—	3	3	.6
Diphtheria	—	—	—	.2
Dysentery	—	—	—	.6
German Measles	—	—	—	Nil
Malaria	—	—	—	5.8
Mumps	—	—	—	Nil
Pneumonia	—	—	—	1
Tuberculosis	—	—	—	1.2
Typhoid Fever	—	—	—	.2
Scarlet Fever	—	—	—	Nil
Relapsing fever	—	—	—	Nil
Cerebro-spinal meningitis ...	—	—	—	Nil
	1	7	6	10.4

CHICKEN-POX.

S.S. "Northern Coast" arrived at the port on February 15th. One of the crew was found to be suffering from chicken-pox and went home for treatment. The Medical Officer at Huddersfield where he resided, was notified.

S.S. "City of Madras" arrived at the port on March 7th. Three of the native crew were found to be suffering from chicken-pox and were removed to West Lane Isolation hospital.

MUMPS.

S.S. "Maihar" arrived at the port from Mombasa on June 25th. One of the crew had been landed at Colombo suffering from Mumps.

SMALLPOX.

S.S. "Maihar" arrived (as above). Three cases of Smallpox had occurred on the voyage. One case was removed to hospital at Colombo and two at Durban.

PNEUMONIA.

S.S. "Ocean Vulcan" arrived at the port from Pepel on August 2nd. One of the crew had been landed at Cowes suffering from suspected pneumonia.

MALARIA.

S.S. "Empire Malacca" arrived at the port on June 7th. One of the crew had been landed at Port Said suffering from Malaria.

S.S. "Ocean Vision" arrived at the port on June 26th from Bone. One of the crew had been suffering from Malaria on the voyage.

S.S. "Fort Douglas" arrived at the port on October 29th from Takoradi. One of the crew had been landed at Freetown suffering from Malaria.

TYPHOID FEVER.

S.S. "Sinnington Court" arrived at the port on November 8th from Bone. One of the crew had been landed at Malta suffering from Typhoid Fever.

SCARLET FEVER.

S.S. "Stanrealm" arrived at the port on December 20th. One of the crew suffering from suspected Scarlet Fever was landed at Marseilles.

MEASLES.

M.V. "Spica" arrived at the port on December 22nd from Delfzyl. The Captain's child was found to be suffering from Measles and was admitted to Stockton Isolation Hospital.

TABLE D.

CASES OF INFECTIOUS SICKNESS OCCURRING ON VESSELS
DURING THE VOYAGE, but disposed of prior to arrival.

Disease	No. of Cases during 1945		No. of vessels concerned	Average for previous five years
	Passengers	Crew		
Chicken-pox	—	—	—	.6
Dysentery	—	—	—	.8
Malaria Fever	—	3	3	51.6
Influenza	—	2	2	.6
Measles	—	—	—	Nil
Pneumonia	—	1	1	1
Scarlet Fever	—	1	1	Nil
Smallpox	—	3	1	Nil
Typhoid Fever	—	1	1	2
Tuberculosis	—	—	—	.8
Erysipelas	—	—	—	Nil
Mumps	—	1	1	.2
Whooping Cough	—	—	—	Nil
German Measles	—	1	1	.2
Blackwater Fever	—	—	—	.2
Anthrax	—	—	—	.2
TOTALS	—	13	11	58.2

RETURN OF CASES OF SICKNESS OR INJURY
found on Vessels entering the Port.

Bronchitis	...	...	...	2
Influenza	...	...	...	3
Chickenpox	...	...	...	4
Septic Feet	...	...	...	1
Rupture	...	...	...	1
Phlebitis	...	...	...	1
Urethral discharge	...	...	...	1
Appendicitis	...	...	...	1
Tonsillitis	...	...	...	1
Asthma	...	...	...	1
Scabies	...	...	...	1
Jaundice	...	...	...	1
Measles	...	...	...	1
Venereal disease	...	...	...	55
TOTAL				74

Of the above 64 were treated in hospital and at the clinic, one was sent to his home, and 9 were treated on board.

RETURN OF CASES OF SICKNESS OR INJURY
dealt with before arrival at this Port.

Influenza	...	...	...	2
Haemorrhoids	...	...	...	1
Appendicitis	...	...	...	1
Malaria fever	...	...	...	3
Jaundice	...	...	...	1
Mumps	...	...	...	1
Smallpox	...	...	...	3
Tonsillitis	...	...	...	3
German measles	...	...	...	1
Pneumonia	...	...	...	1
Typhoid fever	...	...	...	1
Scarlet fever	...	...	...	1
Venereal disease	...	...	...	51
TOTAL				70

Of the above 56 were dealt with at sea.

PORTS at which the preceding were dealt with.

Colombo	...	1	Gibraltar	...	2	Marseilles	...	1
Cowes	...	1	Ghent	...	1	Southend	...	1
Durban	...	3	Hamburg	...	1	Port Said	...	1
Freetown	...	1	Malta	...	1			

MEASURES AGAINST RODENTS.

All ships entering the port are examined by the Rat Searcher, who is a whole-time officer of the Port Health Authority. If necessary, orders for deratisation are served, this being carried out by fumigation. The ships are prepared for fumigation under the supervision of the Authority's Officers. The fumigation is carried out by well-known firms who specialise in this work. The fumigants used are :—

1. H.C.N. by the liquid method, sealed for 4-6 hours.
2. H.C.N. by the Zyklon "B" method.
3. Burning of Sulphur, 3-lbs. per 1,000 cu. ft. space, sealed from 6-8 hours.
4. Salfakose, $1\frac{1}{8}$ lbs. per 1,000 cu. ft. 6 hours sealed.

The Rat Searcher spends part of his time searching the wharves and quays, and obtains specimens for bacteriological examination. The owners of the docks and wharves employ recognised rat catchers.

Rat guards are placed on hawsers mooring vessels to the wharves. Tarring of mooring ropes is also carried out in certain cases.

All rats, whether trapped or dead from fumigation, are examined for signs of disease and any found dead are sent for bacteriological examination.

No rats from ships or the shore were found infected with plague during the past year. There are very few warehouses on the docks and wharves on the River Tees and only one, in the L.N.E.R. dock has been erected in recent years.

None of the existing buildings are strictly rat-proof.

The buildings are kept under constant supervision and suggestions for improving rat-proofing are made from time to time as required.

RATS DESTROYED DURING THE YEAR.

TABLE E.

(1). On Vessels.

[illegible]

TABLE F.

(2). Docks, Quays, Wharves and Warehouses.

Number of Rats	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total in year
Black ...	26	3	15	7	22	9	1	1	—	—	4	2	90
Brown ...	25	58	39	45	40	61	55	61	49	44	57	42	576
Species not recorded ...	—	—	—	—	—	—	—	—	—	—	—	—	—
Examined (bacteriologically)	1	1	1	1	1	1	1	1	1	1	1	1	12
Infected with plague ...	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE G.

Measures of Rat Destruction on Plague "Infected" or "Suspected" Vessels, or Vessels from Plague-infected Ports arriving in the Port during the year.

Total Number of such Vessels arriving	Number of such Vessels fumigated by S.O.2	Number of Rats killed	Number of such Vessels fumigated by H.C.N.	Number of Rats killed	Number of such vessels on which trapping, poisoning, etc. were employed	Number of Rats killed	Number of such vessels on which measures of Rat destruction were not carried out
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
7	—	—	—	—	—	—	7

The above consisted of iron-ore carrying vessels from N. African ports and vessels carrying phosphates from N. West African Ports.

They were inspected and found to be free from rat infestation.

TABLE H.

Deratisation Certificates and Deratisation Exemption Certificates
issued during the year.

NET TONNAGE	Number of Ships	No of Deratisation Certificates issued.					Number of De- ratisation Exemp- tion Certifi- cates issued (8)	Total Certifi- cates issued (9)
		After Fumigation with			After Trapping, Poisoning, etc.	Total		
		H.C.N.	Sulphur	H.C.N. & Sulphur				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ships up to 300 tons ...	31	—	—	—	—	—	31	31
Ships from 301 to 1000	17	3	—	—	—	3	14	17
Ships from 1001 to 3000	25	12	—	—	—	12	13	25
Ships from 3001 to 10,000	72	37	1	—	—	38	34	72
Over 10,000 tons ...	—	—	—	—	—	—	—	—
TOTALS ...	145	52	1	—	—	53	92	145

HYGIENE OF CREW'S SPACES.

TABLE J.

Classification of Nuisances.

NATIONALITY OF VESSEL	Number inspected during the year	Defects of original Construction	Structural Defects through wear and tear	Dirt, vermin and other conditions prejudicial to health
BRITISH ...	947	2	45	58
OTHER NATIONS...	385	—	1	14

GENERAL SANITARY SUPERVISION.

During the year, 79 informal or verbal notices dealing with 122 nuisances were served, all of which were complied with.

These related to :—

Verminous quarters	...	...	...	62
Dirty quarters	...	...	...	9
Forecastle requiring painting out	...	...	...	11
Choked and foul closets	...	...	...	3
Defective washbasins and waste pipes	...	...	...	2
Defective heating apparatus	...	...	...	3
Defective stove funnels	...	...	...	2
Defective bunk fittings	...	...	...	1
No clothes locker accommodation	...	...	...	1
Dampness	...	...	...	2
Leak in shellplating	...	...	...	1
Dirty storerooms	...	...	...	1
Defective W.C. flush apparatus	...	...	...	5
Defective ports	...	...	...	2
Choked or defective scuppers	...	...	...	2
Defective or leaking steam-pipes	...	...	...	3
Defective decks	...	...	...	2
Defective W.C. seats	...	...	...	1
Defective galley fire door	...	...	...	1
Defective galley geyser	...	...	...	1
Insufficient natural lighting	...	...	...	2
Defective overhead decks	...	...	...	3
TOTAL				120

VERMINOUS VESSELS.

Jan.	10	S.S. "Ocean Vesper"	All accommodation fumigated with H.C.N.
"	22	S.S. "Empire Foam"	Pantry treated with insecticide.
"	30	S.S. "Essex Trader"	All accommodation fumigated with H.C.N.
"	31	S.S. "Empire Deed"	do.
Feb.	5	S.S. "Fort Hundsons Hope"	do.
"	12	S.S. "Stad Arnhem"	do.
"	16	S.S. "Cape Sable"	do.
"	22	S.S. "Badjestan"	do.
"	22	S.S. "Fort Walsh"	Crew's quarters fumigated with H.C.N.
"	22	S.S. "Empire Stour"	All accommodation fumigated with H.C.N.

VERMINOUS VESSELS—*continued.*

March	12	S.S. "Empire Gale"	All accommodation fumigated with H.C.N.
"	22	S.S. "Empire Service"	Midship accommodation treated with insecticide.
"	31	S.S. "Fort Rae"	Crew's quarters treated with insecticide.
April	5	S.S. "Fort Brandon"	do.
"	11	S.S. "Monkleigh"	All accommodation fumigated with H.C.N.
"	17	S.S. "Kiruna"	All accommodation treated with insecticide.
"	20	M.V. "Kuwi"	do.
"	21	S.S. "Fort Grahame"	Crew's quarters treated with insecticide.
May	11	S.S. "Empire Summer"	All accommodation fumigated with H.C.N.
"	31	S.S. "Fort Norman"	do.
June	4	S.S. "Fort Jasper"	do.
"	7	M.V. "Ary Lensen"	Galley and provision store treated with insecticide.
"	9	S.S. "Mount Rhodope"	All accommodation fumigated with H.C.N.
"	12	S.S. "Jan Van Goyen"	All accommodation treated with insecticide.
"	26	S.S. "Ocean Vision"	do.
"	27	S.S. "Masuren"	All accommodation fumigated with H.C.N.
"	29	S.S. "Atlantic"	All accommodation sprayed with insecticide.
July	2	S.S. "Cragpool"	Pantry, provision store and galley sprayed with insecticide.
"	31	S.S. "Fort Esperance"	All accommodation fumigated with H.C.N.
August	2	S.S. "Stanlodge"	Crew's quarters treated with insecticide.
"	3	S.S. "Empire Archer"	All accommodation fumigated with H.C.N.
"	7	S.S. "Empire Cato"	All accommodation treated with insecticide.
"	7	S.S. "Tynemouth"	Accommodation fumigated with H.C.N.
Sept.	19	M.V. "Sumatra"	do.
"	22	S.S. "Cragpool"	Accommodation treated with insecticide.
"	24	S.S. "Vestmanrod"	do.
"	27	S.S. "Fleswick"	Vessel laid up.
Oct.	2	S.S. "Selene"	Accommodation fumigated with H.C.N.
"	2	S.S. "Fort Carillon"	Accommodation treated with insecticide.
"	11	S.S. "Fort Wrigley"	do.
"	12	S.S. "Irene Oldendorf"	Accommodation fumigated with H.C.N.
"	29	S.S. "Demitrios Chandris"	Accommodation treated with insecticide.
Nov.	7	S.S. "Fort Vercheres"	Accommodation fumigated with H.C.N.
"	8	S.S. "Sinnington Court"	do.
"	16	S.S. "Loch Dee"	do.
"	22	S.S. "Gerassimos Vergottis"	do.
"	26	S.S. "Ben Rinnes"	Crew's quarters and pantry treated with insecticide.
Dec.	4	S.S. "Empire Mallory"	do.
"	10	S.S. "Fort Mingan"	Accommodation fumigated with H.C.N.
"	14	S.S. "Ben Ledi"	Accommodation to be fumigated with H.C.N.
"	15	S.S. "Fort Anne"	Accommodation fumigated with H.C.N.

Does not include vessels dealt with at the next British port.

TONNAGE OF VESSELS ENTERING THE PORT.

(Kindly supplied by the General Manager of the River Tees Conservancy

Year ended Oct. 31st.	Commission). Number of Vessels.	Registered Tonnage.
1928	3,278	3,820,763
1929	3,529	4,075,385
1930	3,416	3,924,554
1931	2,961	3,100,254
1932	3,031	2,716,248
1933	3,148	2,964,054
1934	3,494	3,425,708
1935	3,611	3,582,909
1936	3,855	3,812,522
1937	4,222	4,082,260
1938	4,022	3,895,043
1939	3,764	3,530,505
1940	1,884	1,589,864
1941	1,316	1,206,922
1942	1,356	1,127,122
1943	1,590	1,209,898
1944	1,609	1,545,514
1945	1,580	1,442,407

CASES OF ILLNESS OR INJURY ON BOARD VESSELS.
Reported or dealt with during the year 1945.

Date	NAME OF VESSEL	Where from	Nature of illness	Remarks.
Jan. 6	Empire Glory ...	Bone ...	Venereal disease ...	Referred to clinic.
" 30	Essex Trader ...	Melilla ...	Influenza ...	Dealt with on voyage.
" 30	Kiruna ...	Pepel ...	Bronchitis ...	Treatment given on board.
" 30	" ...	" ...	Venereal disease ...	Referred to clinic.
" 31	Empire Deed ...	Takoradi ...	Influenza ...	Admitted to North Ormesby Hospital.
Feb. 10	Empire Glen ...	Rio de Janeiro	Venereal disease ... (2 cases)	Referred to clinic.
" 15	Northern Coast	Coastwise ...	Chickenpox ...	Went home for treatment.
" 16	Lornaston ...	Bougie ...	Venereal disease ...	Dealt with on voyage.
" 19	Hilder ...	Rio de Janeiro	Venereal disease ...	Referred to clinic.
" 22	Badjestan ...	Melilla ...	Haemorrhoids ...	Landed at Gibraltar.
" 22	" ...	" ...	Venereal disease ...	do.
" 26	Ft. Michipicoten	Takoradi ...	Influenza ...	Dealt with on voyage.
" 26	" ...	" ...	Venereal disease ... (3 cases)	do.
" 26	Ocean Angel ...	Cochin ...	Venereal disease ...	Referred to clinic.
" 26	" ...	" ...	" (7 cases) ...	Dealt with on voyage.
" 26	Banthorn ...	Coastwise ...	Septic feet ...	Treatment given on board.
March 7	City of Madras ...	Coastwise ...	Chickenpox ... (3 cases)	Admitted to West Lane Hospital.
" 12	Drakepool ...	Melilla ...	Venereal disease ...	Dealt with on voyage.
" 16	Cragpool ...	Bone ...	Venereal disease ...	Referred to Clinic.
" 16	" ...	" ...	" (2 cases)	Dealt with on voyage.
" 23	Fort Colombia ...	Bone ...	Rupture ...	Treatment given on board.

CASES OF ILLNESS ON BOARD VESSELS—*continued.*

Date	NAME OF VESSEL	Where from	Nature of illness	Remarks.
March 23	Empire Service ...	Rio de Janeiro	Venereal disease ...	Referred to clinic.
„ 23	Castalia ...	E. Africa via London	Phlebitis ...	Admitted to General Hospital.
	„ ...	„ ...	Urethral discharge	do.
April 11	Empire Ortolan	Melilla ...	Venereal disease ... (2 cases)	Dealt with on voyage.
„ 11	Colytto ...	La Goulette ...	Appendicitis ...	Treated on board.
„ 16	Adolph S. Och ...	Archangel ...	Venereal disease ...	Referred to clinic.
„ 17	Kiruna ...	Algiers ...	Venereal disease ... (3 cases)	Dealt with on voyage.
„ 23	Eskdalegate ...	Ghent ...	Venereal disease ... (2 cases)	Landed at Ghent.
May 2	Empire Rock ...	Pepel ...	Venereal disease ... (2 cases)	Dealt with on voyage.
„ 2	Mooncrest ...	Victoria ...	Venereal disease ... (7 cases)	Referred to clinic.
„ 7	Thistleford ...	Melilla ...	Tonsillitis ... (suspected diphtheria)	Admitted to West Lane Hospital.
„ 17	Empire Stronghold	Bone ...	Venereal disease ...	Referred to clinic.
„ 17	Empire Caicos ...	Coastwise ...	do. ...	do.
„ 22	Fort Dauphin ...	Pepel ...	Venereal disease ...	Dealt with on voyage.
„ 22	Empire Gazelle:...	Freetown ...	Asthma ...	Admitted to General Hospital.
„ 26	Mandalay ...	Mombasa ...	Appendicitis ...	Landed at Southend.
„ 26	„ ...	„ ...	Venereal disease ...	Dealt with on voyage.
„ 31	Fort Norman ...	Rio de Janeiro	Venereal disease ...	Referred to clinic.

CASES OF ILLNESS ON BOARD VESSELS—*continued.*

Date.	NAME OF VESSEL	Where from	Nature of illness	Remarks.
June 7	Empire Malacca	Bone ...	Malaria ...	Landed at Port Said.
„ 8	Botlea ...	Bone ...	Venereal disease ...	Referred to clinic.
„ 25	Maihar ...	Mombasa ...	Jaundice ...	Dealt with on voyage.
	„ ...	„ ...	Mumps ...	Landed at Colombo.
	„ ...	„ ...	Smallpox ...	Dealt with on voyage.
	„ ...	„ ...	Tonsillitis (3 cases)	do.
	„ ...	„ ...	Smallpox (2 cases)	Landed at Durban.
	„ ...	„ ...	Venereal disease ...	do.
„ 26	Ocean Vision ...	Bone ...	Malaria fever ...	Dealt with on voyage.
	„ ...	„ ...	Venereal disease ... (5 cases)	do.
„ 29	Atlantic ...	Victoria ...	Bronchitis ...	Treated on board.
July 3	Fort Grouard ...	Bone ...	Influenza ...	Treated on board.
„ 3	Atlantic ...	Victoria ...	Venereal disease ... (2 cases)	Referred to clinic.
July 19	Caledonia ...	Coastwise ...	Venereal disease ...	Referred to clinic.
„ 24	Ocean Wayfarer	Takoradi ...	„ (3 cases) ...	Dealt with on voyage.
„ 24	Ingeren ...	Narvik ...	Venereal disease ...	Referred to clinic.
„ 24	Coulgorm ...	Bone ...	Venereal disease ... (3 cases)	Dealt with on voyage.
„ 31	Fort Esperance ...	Takoradi ...	Venereal disease ...	Referred to clinic.
	„ ...	„ ...	German Measles	Dealt with on voyage.
August 2	Ocean Vulcan ...	Pepel ...	Pneumonia ...	Landed at Cowes.
„ 3	Empire Archer	Victoria (Brazil)	Venereal disease ... (3 cases)	Referred to clinic.

CASES OF ILLNESS ON BOARD VESSELS—*continued.*

Date	NAME OF VESSEL	Where from	Nature of illness	Remarks.
August 7	Empire Cato ...	Pepel ...	Venereal disease ,, (2 cases) ...	do.
„ 13	Fort Senneville ...	Rio de Janeiro	„ (3 cases) ...	do.
	„ ...	„ ...	„ (4 cases) ...	Dealt with on voyage.
Sept. 6	Blairdevon ...	Bone ...	„ (6 cases) ...	do.
	„ ...	„ ...	„ ...	Referred to clinic.
„ 10	Tenax ...	Hornillo Bay...	„ (2 cases) ...	do.
„ 18	Fort Wellington	Rio de Janeiro	Venereal disease ...	do.
Oct. 8	Harpalycus ...	Antwerp ...	„ ...	do.
„ 11	Fort Wrigley ...	Rio de Janeiro	„ ...	do.
„ 17	Yearby ...	Pepel ...	„ (2 cases) ...	do.
„ 29	Fort Douglas ...	Takoradi ...	Malaria fever ...	Landed at Freetown.
„ 31	Vrede ...	Amsterdam ...	Venereal disease ... (2 cases)	Referred to clinic.
Nov. 8	Sinnington Court	Bone ...	Typhoid fever ...	Landed at Malta.
„ 12	Scandia ...	Hamburg ...	Venereal disease ...	Referred to clinic.
„ 21	Cassard ...	Boulogne ...	„ ...	do.
„ 24	Empire Kangaroo:	Bone ...	„ (2 cases) ...	Dealt with on voyage.
„ 27	Kvikkjokk ...	Oxelosund ...	Venereal disease ...	Referred to clinic.
Dec. 3	Algol ...	Hamburg ...	Venereal disease ...	Landed at Hamburg.
„ 4	Empire Mallory	Bone ...	Influenza ...	Treated on board.
„ 17	Nautic ...	Antwerp ...	Scabies ...	Treated on board.
	„ ...	„ ...	Jaundice ...	Treated on board.
„ 20	Stanrealm ...	Pepel ...	Scarlet fever ...	Landed at Marseilles.
„ 22	Spica ...	Delfzyl ...	Measles ...	Admitted to Stockton Isolation Hospital.

FOOD INSPECTION.

Consignments of foodstuffs have been systematically examined during the year.

These consisted of :—Wheat, sugar, syrup, coffee, tea, cloves, groceries, palm kernels, onions and dates.

They were all found to be in good condition.

The undermentioned ships stores were found to be unfit for food and were condemned :—

1,600 lbs. assorted meats

180 lbs. bacon.

29 bags flour.

ALIENS.

During the year sixteen aliens were medically examined, at the request of the Immigration Authorities.

All were found to be free from infectious or contagious disease, and were allowed to land.

